

ABSTRACT

A community network system with broadband integrated services includes video servers, video storages, video conference servers, satellite digital television receiver servers, a network accounting server, a network management server, Gigabit Ethernet Switches, Fast Ethernet switches, home gateways, wireless gateways, digital television sets, analogue television sets, computers, PCs with wireless interface, stationary IP telephones, and wireless IP mobile phones. The IP stationary phone can be connected between the Fast Ethernet switch and the home gateway, and also can be connected between the home gateway and the computer. The wireless gateway is connected to the mobile phone and a mobile device. The satellite digital television receiver server is connected to a satellite signal receiver antenna. The backbone Gigabit Ethernet Switch is connected to a Metropolitan Area Network via a 1000Mbps or 100 Mbps port.

The system simultaneously provides the services of digital television, Internet access of the computer and IP telephone. The present invention achieves the service integration of television network, telephone network and computer network, and the integration of wired and wireless networks, and ensures the qualities of various services, information security and reasonable accounting.